

## ***Appendix B***

### ***TPWD Summary Tables of Ecologically Significant Stream Segments Brazos G (Region G) Water Planning Area***

Source: [http://www.tpwd.state.tx.us/conserve/sb1/rivers/unique/regions\\_text/TableG\\_Brazos\\_.pdf](http://www.tpwd.state.tx.us/conserve/sb1/rivers/unique/regions_text/TableG_Brazos_.pdf)

TPWD Summary Tables of  
Ecologically Significant Stream  
Segments

Brazos G (Region G)  
Water Planning Area

**Table 1. Streams that meet the biological function criteria (31 TAC §357.8 (b) (1)).**

River or Stream Segment	County	Function
Brazos River	Bosque	Texas Natural Rivers System nominee <sup>10</sup>
Brazos River	Johnson	
Brazos River	Somervelle	
Brazos River	Hood	
Brazos River	Palo Pinto	Texas Natural Rivers System nominee, Top 100 Texas Natural Areas list <sup>10</sup>
Colorado River	Lampasas	Texas Natural Rivers System nominee <sup>10</sup> ; White bass spawning area <sup>14</sup>
Lake Creek	Grimes	Unique, mature bottomland hardwood forest community containing significant riparian habitat (Goodson Pocket) <sup>31,33,34</sup> ; High biodiversity <sup>37</sup>

**Table 2. Streams that meet the hydrologic function criteria (31 TAC §357.8 (b) (2)).**

River or Stream Segment	County	Function
Lake Creek	Grimes	Flood attenuation

**Table 3. Streams that meet the riparian conservation area criteria (31 TAC §357.8 (b) (3)).**

River or Stream Segment	County	Conservation Area
Paluxy River	Somervell	Dinosaur Valley State Park (National Natural Landmark)

**Table 4. Streams that meet the water quality/exceptional aquatic life/high aesthetic value criteria (31 TAC §357.8 (b) (4)).**

River or Stream Segment	County	Significance
Brazos River	Bosque	#1 scenic and recreational river in the northern half of Texas <sup>10</sup>
Brazos River	Johnson	
Brazos River	Somervelle	
Brazos River	Hood	
Brazos River	Palo Pinto	
Colony Creek	Eastland	Ecoregion Stream, Dissolved oxygen <sup>1</sup> ; Benthic macroinvertebrates <sup>1,2</sup>
Colorado River	Lampasas	Exceptional aesthetic value <sup>10</sup>
Cow Bayou	Falls	Ecoregion Stream, Dissolved oxygen <sup>1</sup> ; Benthic macroinvertebrates <sup>1,2</sup>
Lake Creek	Grimes	Ecoregion Stream, Dissolved oxygen <sup>1</sup> ; Benthic macroinvertebrates <sup>1,2</sup>
Neils Creek	Bosque	Ecoregion Stream, Dissolved oxygen <sup>1</sup> ; Benthic macroinvertebrates <sup>1,2</sup>
Steele Creek	Bosque	Ecoregion Stream, Dissolved oxygen <sup>1</sup> ; Fish <sup>1,3</sup>

Willis Creek	Williamson	Ecoregion Stream <sup>1</sup> ; Benthic macroinvertebrates <sup>1,2</sup>
--------------	------------	---

**Table 5. Streams that meet the threatened or endangered species/unique community criteria (31 TAC §357.8 (b) (5)).**

River or Stream Segment	County	Species/Community
Brazos River	Palo Pinto	Very rare, endemic Texas fawnsfoot <sup>23</sup>
Colorado River	Lampasas	Concho water snake <sup>13</sup>
Little River	Milam	Thriving mussel population <sup>39</sup>
Little River	Bell	

## REFERENCES

- <sup>1</sup> Bayer, C.W., J.R. Davis, S.R. Twidwell, R. Kleinsasser, G. Linam, K. Mayes, and E. Hornig. 1992. Texas aquatic ecoregion project: an assessment of least disturbed streams (draft). Texas Water Commission, Austin, Texas.
- <sup>2</sup> Davis, J.R. 1998. Personal communication. Texas Natural Resource Conservation Commission, Austin, Texas.
- <sup>3</sup> Linam, G.W., L.J. Kleinsasser, and K. Mayes. 1999. Regionalization of the index of biotic integrity for Texas streams (draft - in review). Texas Parks and Wildlife Department, River Studies Report No. 16, Austin, Texas.
- <sup>10</sup> National Park Service. 1995. The nationwide rivers inventory. United States Department of the Interior, Washington, DC.
- <sup>13</sup> U.S. Fish and Wildlife Service. Undated. Endangered and threatened species of Texas and Oklahoma 1987 (with 1988 addendum). U.S. Fish and Wildlife Service, Albuquerque, New Mexico.
- <sup>14</sup> Bauer, J., R. Frye, B. Spain. 1991. A natural resource survey for proposed reservoir sites and selected stream segments in Texas. Texas Parks and Wildlife Department, Austin, Texas.
- <sup>23</sup> Howells, R.G. 1997. Distributional surveys of freshwater bivalves in Texas: progress report for 1996. Texas Parks and Wildlife Department, Management Data Series 144, Austin, Texas.
- <sup>33</sup> Sipocz, A. 1999. Personal communication. Texas Parks and Wildlife Department, Houston, Texas.
- <sup>34</sup> Woodrow, J. 1999. Personal communication. Texas Parks and Wildlife Department, Houston, Texas.
- <sup>37</sup> Moring, J., J. Rosendale, S. Ansley, and D. Brown. 1998. Fish, benthic macroinvertebrate, and stream habitat data from the Houston-Galveston Area Council Service Area, Texas, 1997-1998. United States Geological Survey, Austin, Texas.
- <sup>39</sup> Henson, J. 1999. Personal communication. Texas Parks and Wildlife Department, Bryan, Texas.